



Heights to give shape of top and bottom of keel			
	Position	Heights from dwl	
		Keel top	Keel bottom
Fwd end	-825	---	-233
	-975	-176	-246
	-1295	-200	-270
	-1615	-218	-289
	-2000	-233	-309
	-2380	-242	-324
	-2765	-240	-336
Aft end	-3100	-229	-346
	-3250	---	-350

Specific Notes:

1. Keel is cast in lead /4% antimony.
2. Keel volume = 0.022m³ - slot at 0.0029m³ = 0.0191m³. Weight at 11350 = 217kg.

Notes:

1. The Zero Point is the front of the stem at underside of deck at the sheer.
2. The (fore-&-aft) centreline is marked c/line.
3. Offsets are measured about centreline.
4. Heights are measured above or below (marked "-") the dwl.
5. Positions are measured forward and aft (marked "-") of the Zero Point.
6. Offsets on diagonals are measured along the diagonal.
7. Waterlines are marked "wl" followed by their height.
8. Buttock lines are marked "b" followed by their offset.
9. Diagonals are marked "d" followed by their height on the centreline and then their angle to it.
10. All offsets are to inside ofskin unless otherwise noted.

Keel bored for M12 hex bolts. Countersink on bottom of keel Ø25 x 15mm deep for bolt heads. Aftermost bolt is at angle as shown; remainder of bolts are vertical.

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Boat 119 Ballast Keel		
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